

Figure 1

Role of HWP1 in health of mice orally colonized with C. albicans.

Mouse type	Health	Number	of mice given C.	Number of mice given C. albicans strains of HWP1 type	of type
		I. HWP1 HETEROZY GOTE	hwp1/hwp1* homozygote	II. HWP1 REVERTANT	Wild type
Beige nude	ill not ill	2	2	3	w <del>-</del>
	total	<u> </u>	11	4	4
	*P < 0.05 cc compared to other group	ompared to the heteroson combined heterozogons were not significant.	zygote, P = .058 c ote and revertant	*P < 0.05 compared to the heterozygote, P = .058 compared to the revertant. P < .05 compared to combined heterozygote and revertant groups. Survival differences between other groups were not significant.	nt. P < .05 inces between
Epsilon 26	=	5	0	4	5
	Not ill	0	2		0
	total	5	2	5	5
	*P < .01 cor differences	mpared to individually between other groups	to the heterozygot were not significa	*P < .01 compared to individually to the heterozygote and revertant. groups. Survival differences between other groups were not significant.	s. Survival
		The same of the sa		the parameter apply the pa	

Figure 2

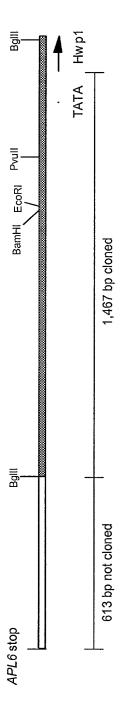


Figure 3

Figure 4	
ACTCGCTTTTAGTTTCGTCAATATG [SEQ ID. NO: 1]	1446
AACGGTCAAAATAACCGGCTATTTTCAATTTCCATTCAACTTGTTTTCTCAACAATATCAAACACAACAGGAATCTCCTATAGTC	1361
TATA box CAACTCTTGTAAAGTCCCTTTCTTTTCCCACTATTTTATCATTCTTGAAATATGTAATCAGAATAGTTTTTCAAAAAACTATAAAT	1276
CATTITGITICACTITITGCGACTITIAATACCGTTTTTGCAACTICTCTTTGTATCACCTGTATCCGCCTTTTTTAACATAG	1191
Pvull AACCTATAATAATAACCTAATGGCTCACAACCGGGGATAAGTTAGTT	1106
BamHI EcoRI  TTATAATTAACAAGTCATCTATAATTCTTTGGATCCAAAAACAAGGAATTC ATTGTAAAAAAGGGAGAGTTTTGGTAGGCTCATAATCGCTTATAATGTACCCT	936 1021
1 TCTAACTCGACTAATGCACTTTACATCAACTGGATGTTATTTGCATCTACTACTATAAGCTCAAAACAAATTATCTTTCAAAAATG	851
6 AAAAATATTTGAAAAAACACATAACACTTTGAGTATGATAATATCAACTATTGACTTGTTTTGAAAGTAAAGAATCAAATTTTTT	992
5 TAAAATAGATTAGTGTATTGTTCTCTTCAGTACAATTACTACCATTATGCAATGCTAGCTTATTGTTCATAATTAGCCATGTTGC ACACCCTAATTAGCCATGTTGC ACACCCTAATTCGAACATTAACTGTATTTTTTTAACTCAAAAATGTTCCAGAATTTTTTAA	596 681
GGAATTTCCTCTATATAGGAAATCCCTCTCACAGTGAACTGAATTATCCATCTGAATTATCAGTCCACTAATTCCATCAA	511
1 ATGAAAAGGTAAGATTGCCTAACCATTGAAAATAATAGGCTAAGGTTTTTCCTGATGCGTTTAACTAAAAAAGGAAATAACAAAA 6 GTTATTAGCGATAACCTGCGTAAGGTGTCAACAAAATATTTTTGCACGTTAGCTCTATAGAAAATATACAAACTAAATCCTTAA	341 426
6 TTGAAACATACGATATGTTATTCTTTTCATAACTGGAATATTTTTTGCTTTTTTTT	256
1 AGAAATACAGGAAACCCTCCAAAAAAAAATTTTGGACCTTACACGCACATAAATTGCGGATAAACTTGCCATAATAAAAACTCT	171
6 AATCAACTAAGCACGTTTGACAGTTAAAAAGTACGTTGTTGTTGTCCTCGTCTCGTCTAATTTCTGTTGACGAGGATTAATAACA	98
1 GGATCTTTCTTTTCATTTCCCTTAAAACCGATCAAGAAAGA	-

## Figure 5

TAATTCTAATAACTGATACTAAGTTTTGTTCCTTTTTTTGGGATTTCTTTTTTTCTAATTTT GATTGTTTTCAATTTTGGGTTTTCAATATTATTGACAAGAGTCATTTTATTGAATATTTGT TTTGTTTACTACATTAAAGGTGATAGGTACTTTTAGTTTTTAAAAAATTGTTTTGTTCAAATT GTTTATCTTTTCTTCTTCTTCTACTTGCTTTTCTGTTTTCGGTTCATAGTTGATAGCTT  ${\tt TT} \underline{{\tt AATAAA}} {\tt TACCCCTTTTTTTTTACAATAGTTAGTTCTAAGCTTATTCAGTGGTTTAATTGG}$ TAGAAAATGTGAGCTCTGTAGCTTATGGTATCTTCTATAGCAATATATTTAACTTGGACAT AGTTCATTATTCTGGACGCATGAAGGTGCAAAGTCAAAAAGTGAGAATATGCAAAGAGGT AATTAGATTTCTGTCCTATTAATTAACAAAAAATCTATATAGACTGCAATATTTAATAC CCCCCAAGTTTGATTCTATAATCCTTCGATTTCTATAAAGATATAACCATGAATCATGAGT AAATACCAAATAGATTAATAGTAGAATCTGTATGGTCGTGTAAAGCTGTTCATTAAAAAC ATAAAAGATTGAAAATTATTAAACAAAACAACAAAACGGGAAACCGGAAACCTGAGAAA **AAGAAAGAAAGAA**GGAAAACTTTTGTTAAGATATTAAAATTTTACGAAGCAAATTTAAAAT AATCTCTTTATTCTTTCTTTTATTATTATTACCCTTAATATAAAATGTCAAAACAAGA TCCACCTCCAGATTATACAAATAGGACATCAGATAATTATAACCCAGATACAACTGATAATCA TAATATTCCTCCACCTTTCACTACTCATCCTATAGAGGTTCATCCACCACCATTCTCCTCTTC TACTTCACCTAATATCCGTGTGCCAGCATATTTTCAAAATCAAACTACTTCAGGATGGACAAT AGTAATAAATAATCGATTTTGGACTGATGGATTCAGGATATTTGTTTCCGAAGATGCATCTAA TAAGTTTGATGCCTTCAAAAAAAGTAAAAATCCCGAAATAATACAATTACAAGAACAAGGTA TTGGAGTACCGTTATTTAAAGCTGTCACGTCATATATTCCCTTAGCAACAAAATTTATAACGT TTAGAAGATATGTCCCTACTAATTTACATCCATTTGATATTGATAAAGATTATTATGATTATT GTATTGTTAAACGGAAATTACACGTTGGATATGATAGTTATATTTTGAATTTACTCCTGATC GAGAATTCGGATCC [SEQ ID. NO: 4]

Figure 6

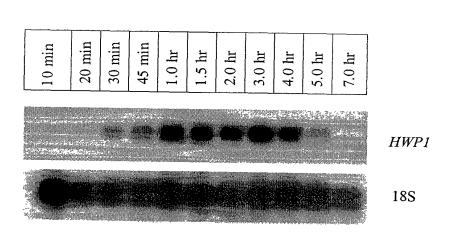


Figure 7

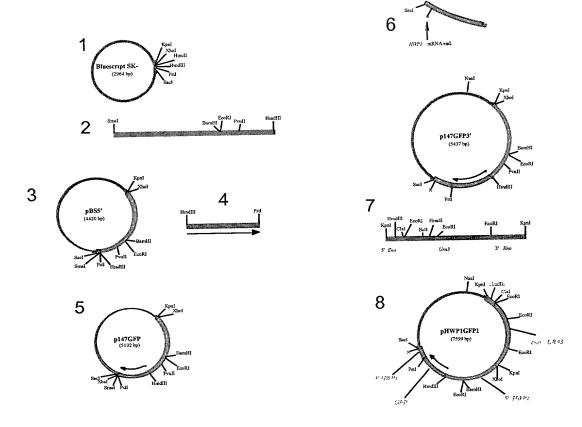
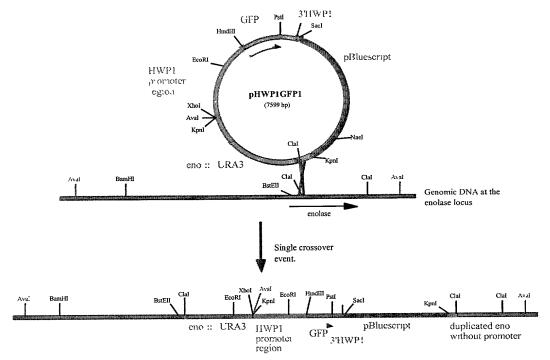


Figure 8

## Integration of pHWP1GFP1 into the chromosome of *C.albicans* at the enolase locus.



Integration of construct at the enolase locus.

Figure 9

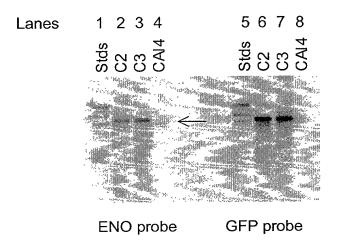
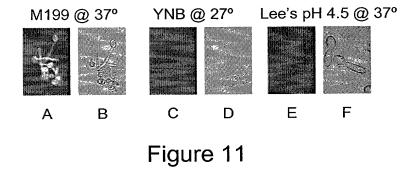


Figure 10



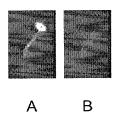
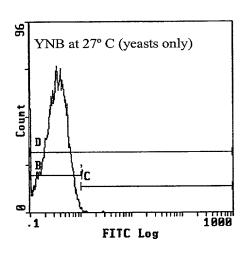


Figure 12



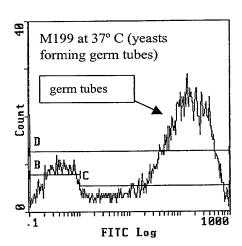


Figure 13A

Figure 13B

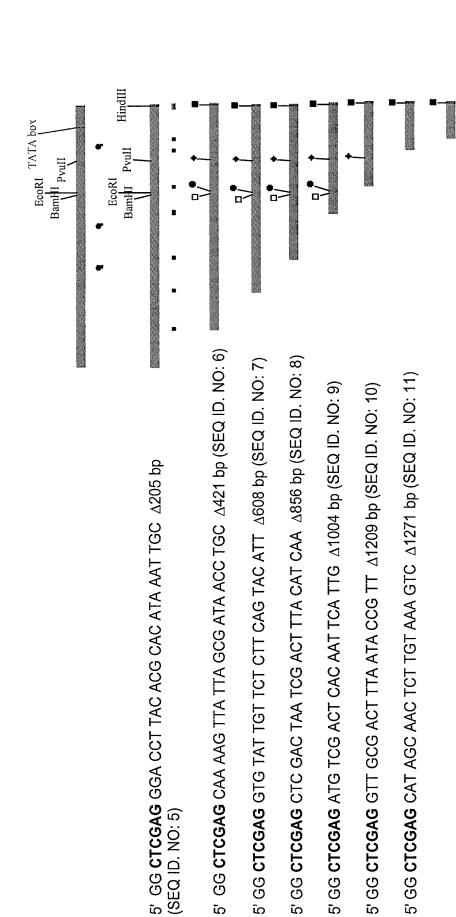


Figure 1

Figure 14A

Identification of virulence and morphogenesis factors in C. albicans

## I. STEP 1: CREATE A GENOMIC LIBRARY FOR MICROARRAY CONSTRUCTION

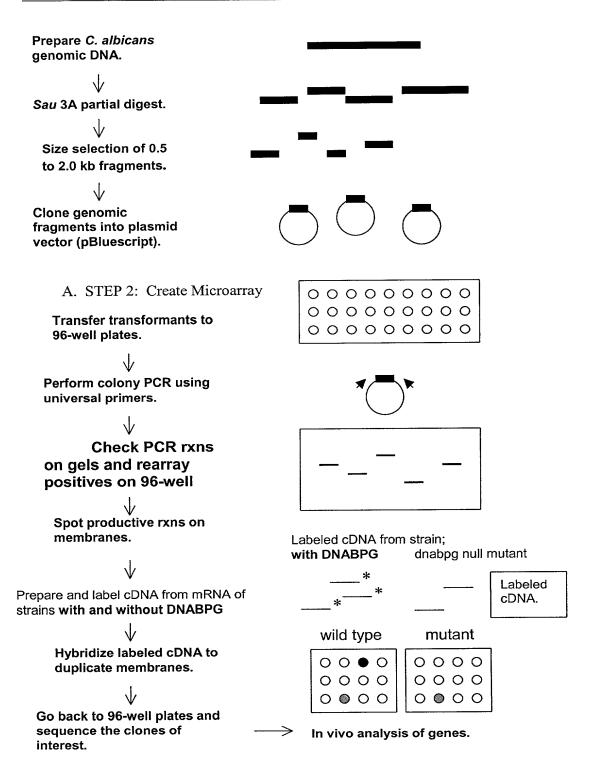


Figure 15